

AMENDMENTS TO THE CLAIMS

Please cancel claims 133-145, 147, 149-173 and 180-188; amend claims 146 and 174; and add claims 189-196 as follows. This listing of the claims will replace all prior versions and listings of the claims in this application.

Complete Listing of Claims:

1-145. (Canceled)

146. (Currently Amended) An audio data playback device comprising:

a headset, the headset including processing resources mounted thereon, including
a data processor; a data storage medium, coupled to the data processor, storing a hearing
profile of a customer;

an audio transducer, coupled to the data processor; a communication port coupled to the
processor; and

logic to produce a customized audio data, by processing audio data received on the
communication port from an external source product stored in the data storage medium, the
customized audio data product comprising an audio data product customized using the a hearing
profile of a customer; and

a computer program stored on the data storage medium executable by the data processor
to communicate with an external data processing device providing a user interface supporting an
interactive process to provide the hearing profile.

147. (Canceled)

148. (Currently Amended) The audio data playback device of claim 146, wherein the audio transducer comprises stereo speakers mounted on a headset.

149-173. (Canceled)

174. (Currently Amended) A method for producing a hearing profile conducting a hearing test,
comprising:

providing a headset having an audio transducer stored therein audio test software;
coupling the headset via a communication channel to [[a]] an external data processor
having a user interface;

executing a test using the audio test software and an interactive process using the user
interface and the audio transducer on the headset to develop a hearing profile;

producing a customized audio data product using the hearing profile; and
playing the customized audio data product on the headset.

175. (Original) The method of claim 174, including storing the hearing profile on the headset, and wherein the step of producing a customized audio data product comprises processing an audio data product using the hearing profile stored in the headset.

176. (Original) The method of claim 174, including storing the hearing profile in a remote site.

177. (Original) The method of claim 174, including producing the customized audio data product in a remote site.

178. (Original) The method of claim 174, including storing the customized audio data product on a machine readable medium, and coupling the machine readable medium to the headset.

179. (Original) The method of claim 174, including storing the customized audio data product on a portable data storage device, and coupling the portable data storage device to the headset.

180-188. (Canceled)

189. (New) The playback device of claim 146, wherein the hearing profile is provided by an interface allowing selection by the user according to personal preferences.

190. (New) The playback device of claim 146, wherein the hearing profile is provided using the user interface according to a hearing test.

191. (New) The playback device of claim 146, including a computer program stored on the data storage medium executable by the processor to communicate with an external data processing device providing a user interface supporting an interactive process to modify the hearing profile.

192. (New) The playback device of claim 146, wherein the communication port comprises a port for a wireless communication medium.

193. (New) The method of claim 174, wherein the interactive process includes allowing selection by the user according to personal preferences.

194. (New) The method of claim 174, wherein the interactive process includes supporting a hearing test.

195. (New) The method of claim 174, including supporting an interactive process to modify the hearing profile.

196. (New) The method of claim 174, wherein the communication port comprises a port for a wireless communication medium.